## INTERNATIONAL SEARCH REPORT

Intel Application No PCT/GB2004/004535

A. CLASSII IPC 7	FIGHTION OF SUBJECT MATTER F16K7/12							
According to International Patent Classification (IPC) or to both national classification and IPC								
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B. FIELDS SEARCHED  Minimum documentation searched (classification system followed by classification symbols)  IPC 7 F16K								
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Documentat	ion searched other than minimum documentation to the extent that s	uch documents are included in the fields se	arched					
Electronic da	ata base consulted during the international search (name of data bas	se and, where practical, search terms used)						
EPO-In	ternal, WPI Data, PAJ							
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT							
Category °	Citation of document, with indication, where appropriate, of the rela	evant passages	Relevant to claim No.					
X	US 2002/158222 A1 (JOHNSON MICHAE AL) 31 October 2002 (2002-10-31)	L W ET	1,6-10, 14,15, 18-21					
	abstract; figures 1-10							
X	US 4 044 990 A (SUMMERFIELD FRANC 30 August 1977 (1977-08-30) figures 1-11	1-3,6-9, 13,18,21						
A	US 3 410 517 A (WALL THOMAS E) 12 November 1968 (1968-11-12) figures 1-5	1-21						
A	US 3 488 824 A (BOTELER HENRY W) 13 January 1970 (1970-01-13) figures 1-9		1-21					
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X Furth	ner documents are listed in the continuation of box C.	X Patent family members are listed in	n annex.					
° Special ca	tegories of cited documents:	"T" later document published after the inter						
	ent defining the general state of the art which is not	or priority date and not in conflict with cited to understand the principle or the						
"E" earlier o	ered to be of particular relevance locument but published on or after the international	invention "X" document of particular relevance; the cl	aimed invention					
filing d  *L* docume	ate :nt which may throw doubts on priority claim(s) or	cannot be considered novel or cannot involve an inventive step when the doc	be considered to					
which	t - attant to contabilish the muchilisasilan data of another	"Y" document of particular relevance; the cl cannot be considered to involve an inv						
O' docume	ent referring to an oral disclosure, use, exhibition or neans	document is combined with one or mo ments, such combination being obviou	re other such docu-					
*P* docume	ent published prior to the international filing date but	in the art.  *&* document member of the same patent f						
Date of the actual completion of the international search		Date of mailing of the international search report						
3	December 2004	13/12/2004						
Name and n	nailing address of the ISA	Authorized officer						
	European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Bilo, E						

## INTERNATIONAL SEARCH REPORT

Inter upplication No PCT/GB2004/004535

Citation of document, with indication, where appropriate, of the relevant passages	A US 3 285 563 A (ROBERT CLARKSON JOHN) 1-21 15 November 1966 (1966-11-15) figures 1-3		CUMENTS CONSIDERED TO BE RELEVANT		
		ategory • Citation of	f document, with indication, where appropriate, of the relevant passage	Relevant to claim No.	
		US 15 fig		1-21	

## INTERNATIONAL SEARCH REPORT

Interni Application No
PCT/GB2004/004535

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 2002158222	A1	31-10-2002	NONE		
US 4044990	A	30-08-1977	GB DE FR JP JP	1423821 A 2307035 A1 2172328 A1 48090021 A 57008341 B	04-02-1976 23-08-1973 28-09-1973 24-11-1973 16-02-1982
US 3410517	A	12-11-1968	NONE		
US 3488824	Α	13-01-1970	NONE		
US 3285563	Α	15-11-1966	NONE		